

APPLICATION

of

Leo Berbee

for

UNITED STATES LETTERS PATENT

on

VARIETY OF DAYLILY PLANT NAMED 'BERRUB'

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## VARIETY OF DAYLILY PLANT NAMED 'BERRUB'

### BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct cultivar of Daylily,  
botanically known as Daylily *hemerocallis* and further known by the varietal name  
5 'BERRUB'. This new variety is also sold under the trade name RUBY STELLA  
(Breeder's Ref. No. D 92-54). The new variety was discovered in a seedling selection  
program by the inventor in Lisse, The Netherlands in 1992. The parental cultivar are  
unknown. The cultivar was isolated by the inventor, Leo Barbee, at Lisse, The  
Netherlands, by seedling selection primarily on the basis of ornamental appeal,  
10 particularly flower color.

Following selection of the seedling the cultivar was propagated vegetatively  
from clump divisions at Lisse, The Netherlands in 1992. Continued observation of the  
vegetative divisions resulting from asexual reproduction of clump divisions taken at  
Lisse, The Netherlands have confirmed that the distinguishing features of this new  
15 cultivar came true, remain stable and are retained through successive propagation.

### SUMMARY OF THE INVENTION

Plants of the cultivar 'BERRUB' have not been observed under all possible  
environmental and cultural conditions. The phenotype may vary somewhat with  
variations in environment such as temperature, light intensity, length of day, irrigation

amount and frequency, and/or fertilizer rate without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be among the unique characteristics of 'BERRUB'. These characteristics distinguish

5 'BERRUB' as a new and distinct cultivar:

1. Distinctive rich burgundy red flower color.

Compared to other plants of the Daylily genus, the new Daylily has a distinctive generally trumpet shaped flower with a rich burgundy red flower.

#### BRIEF DESCRIPTION OF THE DRAWINGS

10 The invention is depicted in the accompanying colored photographs in which:

FIG. 1 shows a close up of the flower and surrounding foliage; and

FIG. 2 shows the plant potted in a container.

The photographs depict the overall appearance of the new Daylily, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this  
15 type. Colors in the photographs may differ slightly from the color values cited in the Detailed Botanical Description which more accurately describe the actual colors of the new Daylily.

### DETAILED BOTANICAL DESCRIPTION OF THE NEW PLANT

The following detailed description sets forth characteristics of the new cultivar.

The data which defines each characteristic was collected from asexual reproductions of the plant grown in an open greenhouse with irrigation provided by drip feeding in a hydroponic system, and carried out by the breeder at Clyde, Victoria, Australia, approximately 38 degrees, 9 minutes South latitude at 16m elevation. The plant histories were taken on 3 plants in liners, potted into 150mm and 200mm pots in co-co coir starting on approximately April 2003 and running through January 2004.

In the following table of plant characteristics, color references are made to the Royal Horticultural Society of London Colour Chart, 1995 Edition. The color values were determined on plant material grown in an open greenhouse at Lisse, The Netherlands.

	'BERRUB'
<b>The Plant</b>	
Plant Growth Rate	Moderate
Length of Flowering Season	January to May
Time of Flowering Season	Mid-summer to end of Autumn
Density	Thick
Growth Type	Clump-forming, herbaceous perennial

Height	Low, 30-60 cm
Width	Medium
<b>Leaf</b>	
Color	137C
Characteristics	Basal, linear, tapered, falcate
Mean Length (mm)	584
Mean Width (mm)	17.5
Apex	Pointed
Margin	Smooth
Texture	Slightly ribbed with prominent mid-vein
Shape	Deep concave to flat, lanceolate, upright bending back at top 1/3 <sup>rd</sup>
<b>Petiole</b>	Nil
<b>Stem</b>	Sessile
<b>Scapes</b>	
Branching arrangement	Taller than foliage, non branching
Surface texture	Smooth
Mean stem diameter (mm) (just below inflorescence)	5.7
Length (mm)	635 to 689
<b>Perianth</b>	
Shape	Campanulate
<b>Lenticel</b>	Nil

<b>INFLORESCENCE</b>	
Length of flowering period	Mid Summer to Late Autumn
Mean Number of florets	
Mean floret length (mm)	54.7
Shape	Trumpet
Mean head size diameter (mm)	90.6
Lastingness of bloom	1 day
Fragrance of bloom	weak
Profile Upper	Flat
Profile Lower	V-Shaped
Color Midzone outside	185A
Color Margin outside	185A
Color Midzone inside	185A
Color Margin inside	185A
<b>Flower bud</b>	
Shape	Long Ovate
Mean Length (mm) (at time of sepal separation)	45.5
Mean width (mm) (at time of sepal separation)	10.8
Color	1C with tinges of 185A
<b>Petal</b>	
Number	6
Mean length (mm) (as at separation)	Inner 51.0 Outer 49.7
Mean width (mm)	Inner 29.0 Outer 92.2
Arrangement	6 uniting to form a narrow basal tube, free parts spreading with the inner three petals wider and ruffled

<b>Pedicel</b>	
Mean width (mm)	3
Color	144B
Prickles	No
Mean Length (mm)	6
<b>Sepals</b>	Nil
<b>Basal Spot</b>	
Presence	Present
Color	14B-150B
<b>Stamen</b>	
Filament color	17A
Mean filament length (mm)	4.5
Anther color	first two-thirds: 12B last third: 51C
Mean anther length (mm) (base to bend)	37.1
<b>Pistils</b>	
Mean style length (mm)	61.6
Style color	First three-quarters is 12B Last quarter is 51C

### GENERAL CHARACTERISTICS

'BERRUB' is primarily distinguished from other cultivars of Daylily genus by its distinctive burgundy red flower color. 'BERRUB' is a perennial full compact plant

with repeat blooming over a period from early summer until first frost. The foliage is in the form of long, medium green leaves that are slightly ribbed with a prominent mid-vein and reaching about 23 inches in length (584 mm) while the scapes reach about 25 to 27 inches (635-689 mm) in height to carry the flowers above the foliage.